# AUTHOR INDEX


AARNI, J. D., 119
Abramson, A. L., 714, Suppl. No. 17
Andrews, A. H., Jr., 462
Andrus, W. S., Suppl. No. 11
Anson, B. J., 142
Arenberg, I. K., 685
Axelsson, A., 323, 537
Azem, K., 520

BAK-PEDERSEN, K., 168
Barbary, A., 107
Baron, B., 403
Battaglia, C. R., 829
Becker, G. D., 550
Beery, Q. C., Suppl. No. 11
Belal, A., Jr., 49, 159
Benitez, J. T., 399
Berci, G., 754
Berkowitz, W. P., 555
Bess, F. H., 119
Bluestone, C. D., Suppl. No. 11
Blumhagen, J. D., 343
Bouchard, K. R., 399
Brandenburg, J. H., 216
Braun, E. J., 42
Brewer, D. W., 423, 720
Britton, B. H., 286
Brorson, J-E, 323
Browder, J. P., 111
Buckingham, R. A., 606
Byers, V. W., 125

CALCATERRA, T. C., 754, 810
Capps, M. J., 223
Carden, E., 360, 777
Cauna, D., 347
Cauna, N., 347
Causse, J., 635, 643
Chevance, L. G., 643
Chiou, J-F., 19
Clairmont, A. A., 84
Coats, A. C., 365, 491
Cody, T. R., 582
Conley, J., 2
Connelly, M. V., 264
Cotton, R., 428
Crutchfield, W. M., 360
Crysdale, Wm. S., 802

DE FRIES, H. O., 471
DeLorenzo, A. J. D., 55
Dennard, J. E., 84
Devine, K. D., 487
Donald, P., 652
Duvall, A. J., III, 498

EASON, R. L., 714, Suppl. No. 17
Erway, L. C., 565
Etholm, B., 49

FATT-HI, A., 107
Fearon, B., 428, 725
Ferguson, C. F., 432
Ferguson, G. B., 360
Ferlic, R. M., 739
Ferlito, A., 254
Fischer, N. D., 111
Fontana, R. S., 750
Fouad, H., 107
Friedberg, S. A., 520

GACEK, R. R., 596
Gale, D. W., 119
Goldstein, R., 695
Goodman, M. L., 257
Gould, L. V., 720
Graybiel, A., 525
Greer, J. A., 582

HAWKINS, D. B., 556
Hawkins, J. E., Jr., 685
Henkin, R. I., 370
Hill, M. W., 670
Hirano, M., 12
Holmquist, J., 537
Honjo, S., 92, 393
Hook, C. T., 709
Hoshino, T., 102
House, J. W., 556
Hsu, M-M., 19

JACKSON, R. T., 84
Jerger, J., 275
Jerger, S., 275
Johnsson, L., 294, 685
Johnston, G., 370
Jones, A. E., 370

KOMORN, R., 445

LA FERRIERE, K. A., 685
Lambert, E. H., 582
Larson, A. J., 370
Lauhala, K. E., 498
Lavelle, W. G., 452
Lawson, W., 515
Levinson, R. M., 223
Lindholm, Carl-Eric, 786
Lindsay, J. R., 33
Loevy, S. S., 652
Loré, J. M., Jr., 476
Lowry, L. D., 709
Lucente, F. E., 314
Luk, G. D., 382
Lundquist, Per-G., 674
Lim, D. J., 332, 565, Suppl. No. 11

MAEDA, S., 92, 393
Maisel, R. H., 26
Makimoto, K., 174
Marcus, R. E., 304
Mathog, R. H., 223
Matsumoto, K., 102
Matsushita, H., 12
Matulionis, D. H., 192
Maves, M., 820
Maw, A. R., 180
Mawson, S. R., Suppl. No. 11

# AUTHOR INDEX


AARNI, J. D., 119
Abramson, A. L., 714, Suppl. No. 17
Andrews, A. H., Jr., 462
Andrus, W. S., Suppl. No. 11
Anson, B. J., 142
Arenberg, I. K., 685
Axelsson, A., 323, 537
Azem, K., 520

BAK-PEDERSEN, K., 168
Barbary, A., 107
Baron, B., 403
Battaglia, C. R., 829
Becker, G. D., 550
Beery, Q. C., Suppl. No. 11
Belal, A., Jr., 49, 159
Benitez, J. T., 399
Berci, G., 754
Berkowitz, W. P., 555
Bess, F. H., 119
Bluestone, C. D., Suppl. No. 11
Blumhagen, J. D., 343
Bouchard, K. R., 399
Brandenburg, J. H., 216
Braun, E. J., 42
Brewer, D. W., 423, 720
Britton, B. H., 286
Brorson, J-E, 323
Browder, J. P., 111
Buckingham, R. A., 606
Byers, V. W., 125

CALCATERRA, T. C., 754, 810
Capps, M. J., 223
Carden, E., 360, 777
Cauna, D., 347
Cauna, N., 347
Causse, J., 635, 643
Chevance, L. G., 643
Chiou, J-F., 19
Clairmont, A. A., 84
Coats, A. C., 365, 491
Cody, T. R., 582
Conley, J., 2
Connelly, M. V., 264
Cotton, R., 428
Crutchfield, W. M., 360
Crysdale, Wm. S., 802

DE FRIES, H. O., 471
DeLorenzo, A. J. D., 55
Dennard, J. E., 84
Devine, K. D., 487
Donald, P., 652
Duvall, A. J., III, 498

EASON, R. L., 714, Suppl. No. 17
Erway, L. C., 565
Etholm, B., 49

FATT-HI, A., 107
Fearon, B., 428, 725
Ferguson, C. F., 432
Ferguson, G. B., 360
Ferlic, R. M., 739
Ferlito, A., 254
Fischer, N. D., 111
Fontana, R. S., 750
Fouad, H., 107
Friedberg, S. A., 520

GACEK, R. R., 596
Gale, D. W., 119
Goldstein, R., 695
Goodman, M. L., 257
Gould, L. V., 720
Graybiel, A., 525
Greer, J. A., 582

HAWKINS, D. B., 556
Hawkins, J. E., Jr., 685
Henkin, R. I., 370
Hill, M. W., 670
Hirano, M., 12
Holmquist, J., 537
Honjo, S., 92, 393
Hook, C. T., 709
Hoshino, T., 102
House, J. W., 556
Hsu, M-M., 19

JACKSON, R. T., 84
Jerger, J., 275
Jerger, S., 275
Johnsson, L., 294, 685
Johnston, G., 370
Jones, A. E., 370

KOMORN, R., 445

LA FERRIERE, K. A., 685
Lambert, E. H., 582
Larson, A. J., 370
Lauhala, K. E., 498
Lavelle, W. G., 452
Lawson, W., 515
Levinson, R. M., 223
Lindholm, Carl-Eric, 786
Lindsay, J. R., 33
Loevy, S. S., 652
Loré, J. M., Jr., 476
Lowry, L. D., 709
Lucente, F. E., 314
Luk, G. D., 382
Lundquist, Per-G., 674
Lim, D. J., 332, 565, Suppl. No. 11

MAEDA, S., 92, 393
Maisel, R. H., 26
Makimoto, K., 174
Marcus, R. E., 304
Mathog, R. H., 223
Matsumoto, K., 102
Matsushita, H., 12
Matulionis, D. H., 192
Maves, M., 820
Maw, A. R., 180
Mawson, S. R., Suppl. No. 11

May, M., 343
McCabe, B. F., 19, 264, 563, 652, 704
McCall, G., 423
McClure, R., 810
McKenna, N. M., 382
Macklem, P. T., 761
McRandle, C. C., 695
Melnick, Wm., 820
Merzenich, M. M., 202
Messer, E. J., 714, Suppl. No. 17
Mikity, V. G., 829
Miller, E. F., II, 525
Miller, J., 537
Mirko, T., Suppl. No. 11
Mogi, G., 92, 239, 393
Montandon, P. B., 414
Montgomery, W. W., 71, 452
Morest, D. K., 382
Morgenstein, K. M., 648
Morrison, M. D., 674
Moses, H. L., 750
Moss, H. W., 462
Mulvaney, T. J., 414

NADOL, J. B., Jr., 55
Nager, G. T., Suppl. No. 15
Nakashima, T., 12
Neel, H. B., III, 487
Nousianen, R., Suppl. No. 11

OGURA, J. H., 26, 439
Olsen, A. M., 734

PALVA, T., Suppl. No. 11
Pappanikou, A., 257
Parkins, F. M., 626
Parnell, F. W., 216
Perkins, R., 403
Polanyi, T., 769
Polisar, I. A., 9
Powell, R. D., 370
Prazma, J., 111
Priebe, C. J., Jr., 379
Pryor, W. H., Jr., 714, Suppl. No. 17
Pulec, J. L., 525

RAUNIO, V., Suppl. No. 11
Rayl, J. E., 744
Redfield, N. P., 119
Rhode, W. S., 619
Ritter, F. N., 729
Rosen, S., 141
Rourke, D., 744
Ruben, R. J., Suppl. No. 14
Rubenstein, C., 814
Rubenstein, M., 814
Ruff, T., 725
Ruffy, M. L., 9

SADÉ, J., Suppl. No. 11
Saffouri, M. H., 65
Sanders, I., 42
Sanderson, D. R., 750
Santos, V. B., 9
Schacht, J., 613
Schindler, R. A., 202, 674
Schnieder, E-A., 76, 247, 406
Senturia, B. H., Suppl. No. 11
Sessions, D. G., 439, 555
Shambaugh, G. E., Jr., 635, 643
Silverstein, H., 174
Simmons, F. B., 312, 670
Simpson, J. S., 725
Smith, M. A., 695
Snyder, C., Supp. No. 13
Som, M. L., 481
Spector, G. J., 26
Stewart, T. J., 159
Stingle, W. H., 379
Strome, M., 432
Strong, M. S., 769
Stroud, M. H., 555
Sudderth, M. E., 795
Swain, R. E., 439
Swingle, J. D., 216

TAKEMORI, S., 230
Theodor, R., 814
Todd, N. W., 84
Tolpin, D., 257
Tos, M., 168
Tucker, G. F., Suppl. No. 16
Tucker, J. A., Suppl. No. 16

VALVASSORI, G. E., 606
Van de Water, T., Suppl. No. 14
Vaughan, C. W., 769

WALLACE, R., 769
Wallner, L. J., 520
Ward, P. H., 65, 754, 810
Ward, W. D., 498
Watanabe, N., 92, 393
Weber, A., 257
Weiland, L. H., 487, 582
Wernicke, A. M., 550
Whicker, J. H., 487
Wilcox, J. G., 525
Willbrand, J. W., 343
Winch, T. R., 142
Wise, J. K., 750
Woesner, M. E., 42
Wolferman, A., Suppl. No. 12
Woolner, L. B., 750
Wullstein, S. R., 663

YOSHIDA, T., 92, 393
Yoshida, Y., 12

# SUBJECT INDEX


ACETYLCHOLINESTERASE, Fine Structural Localization, in the Olfactory Mucosa in Guinea Pig and Rabbit. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Acid, Ethacrynic, Ototoxicity Potentiation by Kanamycin. J. Prazma, J. P. Browder and N. D. Fischer, 111.

Acoustic Nerve Survival and Cochlear Pathology: Chronic Intracochlear Electrode Implantation. R. A. Schindler, M. M. Merzenich, 202.

Acoustic Trauma, Stria Ultrastructure and Vessel Transport in. A. J. Duvall III, W. D. Ward, K. E. Lauhala, 498.

Adenocarcinoma of the Larynx. J. H. Whicker, H. B. Neel III, L. H. Weiland, K. D. Devine, 487.

Advances in Endoscopic Examination of the Respiratory System. P. H. Ward, G. Berci, T. C. Calcaterra, 754.

Airway, Upper Obstructions: Hypersomnia Caused by; A New Syndrome in Otolaryngology. F. B. Simmons, M. W. Hill, 670.

Ampulla, Lateral; Endolymphatic Sac Response to Cryosurgery of. R. A. Schindler, P-G. Lundquist, M. D. Morrison, 674.

Ampullary Nerve, Posterior, Transection of, for the Relief of Benign Paroxysmal Positional Vertigo. R. R. Gacek, 596.

An Apparatus for Ultra-High-Speed Cinematography of the Vocal Cords. M. Hirano, Y. Yoshida, H. Matsushita and T. Nakashima, 12.

Anesthetic Techniques for Use During Bronchoscopy; Recent Improvements in. E. Carden, 777.

Anti-Epstein Barr Virus Antibody in Nasopharyngeal Carcinoma. M-M. Hsu, J-F. Chiou and B. F. McCabe, 19.

Antibiotics in Sinus Secretions; Concentration of. A. Axelsson, J-E. Brorson, 323.

Aphthous Stomatitis, Granulomatous. M. V. Connelly, 264.

Application of Color Television in Bronchoesophagology. J. E. Rayl, D. Rourke, 744.

Aspiration Pneumonitis: A Review and Experiment on Tracheobronchial Lavage. M. Sudderth, 795.

Association of Nerve Fibers and Plasma Cells in Abnormal Human Nasal Respiratory Mucosa. N. Cauna, D. Cauna, 347.

Asymptotic Threshold Shift (ATS) in Man From 24 Hour Exposure to Continuous Noise. W. Melnick, M. Maves, 820.

Attenuation Characteristics of Recreational Helmets. F. H. Bess, D. W. Gale, J. D. Aarni and N. P. Redfield, 119.

Atticotomy: A Neglected Otosurgical Technique. P. Donald, B. F. McCabe, S. S. Loevy, 652.

Audiological Comparison of Cochlear and Eighth Nerve Disorders. J. Jerger, S. Jerger, 275.

Auditory Ossicles In Man, Vascular Channels in. B. J. Anson and T. R. Winch, 142.

Auricle, Bilateral Pseudocysts, in a Female. V. B. Santos, I. A. Polisar and M. L. Ruffy, 9.

Autograft, Laryngotracheal, for Postcricoid Carcinoma, A Reevaluation. M. L. Som, 481.

BASILAR Membrane, Measurement of Vibration of, in the Squirrel Monkey. W. S. Rhode, 619.

Bell's Palsy, Inherited. J. W. Willbrand, J. D. Blumhagen, M. May, 343.

Bell's Paralysis, The Present Status of Therapy; A Critical Evaluation. A. Wolferman, Suppl. No. 12.

Bilateral Pseudocysts of the Auricle in a Female. V. B. Santos, I. A. Polisar and M. L. Ruffy, 9.

Biopathology of Secretory Otitis Media. J. Sade, Suppl. No. 11.

Blood, Otic Flow and Sympathetic Stimulation. N. W. Todd, J. E. Dennard, A. A. Clairmont and R. T. Jackson, 84.

Blue Mantles in Otosclerosis. J. R. Lindsay, 33.

Bronchial Washing, Use of a Pulsed-Flow Lavage Unit for. D. R. Sanderson, J. K. Wise, L. B. Woolner, H. L. Moses, R. S. Fontana, 750.

Bronchoscopic Carbon Dioxide Laser Surgery. S. Strong, C. W. Vaughan, T. Polanyi, R. Wallace, 769.

Bronchoscopy; Flexible, Fiberoptic, in the Critically Ill Patient. E-E. Lindholm, 786.

Bronchoscopy; Recent Improvements in Anesthetic Techniques for Use During. E. Carden, 777.

Burning Tongue Syndrome, Chronic. B. McCabe, 264.

CANCER of the Skin of the Nose. J. Conley, 2.

Carcinoma, Nasopharyngeal, Anti-Epstein Barr Virus Antibody in. M-M. Hsu, J-F. Chiou and B. F. McCabe, 19.

Carcinoma of the Larynx, Oat Cell. A. Ferlito, 254.

Carcinoma, Postcricoid, Laryngotracheal Autograft for: A Reevaluation. M. L. Som, 481.

Cell Group, Unusual Ciliated, in the Utricle of a Cat. T. Hoshino and K. Matsumoto, 102.

Cerebellopontine Recess, Tumors of; Significant Electronystagmographic: Alterations in. J. T. Benitez, K. R. Bouchard, 399.

Cervical Osteophytes, Surgical Correction of Dysphagia. M. H. Saffouri and P. H. Ward, 65.

Changes, Senile, in the Middle Ear Joints. B. Etholm and A. Belal, Jr., 49.

Characteristics, Attenuation, of Recreational Helmets. F. H. Bess, D. W. Gale, D. D. Aarni and N. P. Redfield, 119.

Cholesteatoma: Pathological Considerations in Surgical Planning. K. M. Morgenstein, 648.

Cholesteatoma with Chronic Otitis Media, the Surgical Management of Labyrinthine Fistulae. R. R. Gacek, Suppl. No. 10.

Chronic Burning Tongue Syndrome. B. McCabe, 264.

Chronic Intracochlear Electrode Implantation: Cochlear Pathology and Acoustic Nerve Survival. R. A. Schindler, M. M. Merzenich, 202.

Chronic Otitis Media with Cholesteatoma, the Surgical Management of Labyrinthine Fistulae. R. R. Gacek, Suppl. No. 10.

Ciliated Cell Group, Unusual, in the Utricle of a Cat. T. Hoshino and K. Matsumoto, 102.

Cinematography of the Vocal Cords, An Apparatus for Ultra-High Speed. M. Hirano, Y. Yoshida, H. Matsushita and T. Nakashima, 12.

Clarence John Blake and Alexander Graham Bell — Otology and the Telephone. C. Snyder, Suppl. 13.

Clinical Experience and Experimental Findings with Sodium Fluoride in Otosclerosis (Otospongiosis). J. Causse, L. G. Chevance, G. E. Shambaugh, 643.

Cochlear and Cerebral Blood Flow; Part II: A Contribution to the Physiology of the Perilymph. E-A. Schnieder, 247.

Cochlear and Eighth Nerve Disorders; Audiological Comparison of. J. Jerger, S. Jerger, 275.

Cochlear and Neural Diseases: Classification and Oto-Audiologic Correlations. R. E. Marcus, 304.

Cochlear Pathology and Acoustic Nerve Survival,

Chronic; Intracochlear Electrode Implantation. R. A. Schindler, M. M. Merzenich, 202.

Cochlear Vasculature and Sensory Structures, Studies of: a Modified Method. A. Axelsson, J. Miller, J. Holmquist, 537.

Concentration of Antibiotics in Sinus Secretions. A. Axelsson, J-E. Brorson, 323.

Conductive Sisi Test. V. W. Byers, 125.

Connective Tissue Disorders in Otolaryngology. F. E. Lucente, 314.

Contribution to the Physiology of the Perilymph. Part I: The Origins of Perilymph. E-A. Schnieder, 76.

Contribution to the Physiology of the Perilymph. Part II: Cochlear and Cerebral Blood Flow. E-A. Schnieder, 247.

Contribution to the Physiology of the Perilymph. Part III. E-A. Schnieder, 406.

Correction, Surgical, of Dysphagia Due to Cervical Osteophytes. M. H. Saffouri and P. H. Ward, 65.

Corrosive Injury of the Oral Cavity and Esophagus Caused by Some Denture Cleansing Powders. A. L. Abramson, R. L. Eason, W. H. Pryor, E. J. Messer, 714.

Corti's Organ and Its First-order Neurons; Sequence of Degeneration of. L-G. Johnsson, 294.

Cough, Physiology of. P. T. Macklem, 761.

Cryosurgery of the Lateral Ampulla, Endolymphatic Sac Response to. R. A. Schindler, P-G. Lundquist, M. D. Morrison, 674.

DECANNULATION, Delayed, Nasotracheal Intubation in Management of. W. D. Crysdale, 802.

Degeneration of Corti's Organ and Its First-order Neurons; Sequence of. L-G. Johnsson, 294.

Dermal Graft, Tongue Flap and; Total Reconstruction of the Hypopharynx with. J. M. Lorè, 476.

Dilatation, Esophageal, Tucker Retrograde 1924-1974: A Historical Review. J. A. Tucker, M. L. Turtz, H. D. Silberman, G. F. Tucker, Suppl. No. 16.

Dysphagia, Surgical Correction, Due to Cervical Osteophytes. M. H. Saffouri and P. H. Ward, 65.

EAR Effusions, Middle, in Children; Mechanics of the Eustachian Tube as it Influences Susceptibility to and Persistence of. C. D. Bluestone, Q. C. Beery, W. S. Andrus, Suppl. No. 11.

Ear Effusions, Middle. Etiology, Pathology and Treatment. B. H. Senturia, Suppl. No. 11.

Ear, Middle, Masses Mimicking Glomus Tumors: Radiographic and Otoscopic Recognition. G. E. Valvassori, R. A. Buckingham, 608.

Early Averaged Electroencephalic Responses to Clicks in Neonates. C. C. McRandle, M. A. Smith, R. Goldstein, 695.

Ectopic Salivary Gland and Sinus in the Lower Neck. W. H. Stingle, C. J. Priebe, Jr., 379.

Editorial. S. Rosen, 141.

Editorials. B. H. Senturia, 1.

Effect of Chlorine Bleach on the Esophagus. C. T. Hook, L. D. Lowry, 709.

Effect of Laryngofissure on the Developing Canine Larynx. T. C. Calcaterra, R. McClure, P. H. Ward, 810.

Effects of Age, Sex and Smoking on the Electrical Taste Threshold. A. C. Coats, 365.

Effusions in Middle Ear, a Further Report. Secretory Immunoglobulin A (SIgA). G. Mogi, S. Honjo, S. Maeda, T. Yoshida and N. Watanabe, 92.

Effusions, Middle Ear: Immunoglobulin E (IgE) in. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 393.

Effusions, Middle Ear: Therapy and Clinical Results. S. R. Mawson, Suppl. No. 11.

Eighth Cranial Nerve, Unilateral Section of One or All Components of, Specific Acute Losses of Vestibular Function in Four Patients Following. E. F. Miller II, J. L. Pulec, J. G. Wilcox, A. Graybiel, 525.

Eighth Nerve and Cochlear Disorders, Audiological Comparison of. J. Jerger, S. Jerger, 275.

Electrocochleography. F. B. Simmons, 312.

Electroencephalic Responses, Early Averaged, to Clicks in Neonates. C. C. McRandle, M. A. Smith, R. Goldstein, 695.

Electrogustometry Test, Normal Limit of. A. C. Coats, 491.

Electronystagmorgraphy: Significant Alterations in Tumors of the Cerebellopontine Recess. J. T. Benitez, K. R. Bouchard, 399.

Endolymph and Perilymph of Cat, Sodium & Potassium Concentration in. K. Makimoto, H. Silverstein, 174.

Endolymphatic Hydrops, Idiopathic and Glaucoma. W. P. Berkowitz, D. G. Sessions, M. H. Stroud, 555.

Endolymphatic Sac Response to Cryosurgery of the Lateral Ampulla. R. A. Schindler, P-G. Lundquist, M. D. Morrison, 674.

Endoscopic Examination of the Respiratory System, Advances in. P. H. Ward, G. Berci, T. C. Calcaterra, 754.

Endoscopy, Fiberoptic; Place of, in Bronchoesophagology. A. M. Olsen, 734

Endotracheal Intubation or Tracheostomy. R. M. Ferlic, 739.

Epitympanotomy, Osteoplastic. S. R. Wullstein, 663.

Esophageal and Tracheopharyngeal Speech; A Technique for Improving. W. W. Montgomery, W. G. Lavelle, 452.

Esophageal Dilatation, Tucker Retrograde, 1927-1974: A Historical Review. J. A. Tucker, M. L. Turtz, H. L. Silberman, G. F. Tucker, Suppl. No. 16.

Esophageal Perforation During Esophagoscopy in Children. J. S. Simpson, T. Ruff, B. Fearon, 725.

Esophagus, Effect of Chlorine Bleach on. C. T. Hook, L. D. Lowry, 709.

Esophagus, and Oral Cavity, Corrosive Injury of, Caused by Some Denture Cleansing Powders. A. L. Abramson, R. L. Eason, W. H. Pryor, E. J. Messer, 714.

Ethacrynic Acid, Furosemide and Vestibular Caloric Response. R. M. Levinson, J. J. Capps, R. H. Mathog, 223.

Ethacrynic Acid Ototoxicity Potentiation by Kanamycin. J. Prazma, J. P. Browder and N. D. Fischer, 111.

Eustachian Tube, and Middle Ear, Functional Morphology of the Lining Membrane of: An Overview. D. J. Lim, Suppl. No. 11.

Eustachian Tube and Middle Ear; Production of. M. Tos, Suppl. No. 11.

Eustachian Tube, Mechanics of, as it Influences Susceptibility to and Persistence of Middle Ear Effusions in Children. C. D. Bluestone, Q. C. Beery, W. S. Andrus, Suppl. No. 11.

Experiences with Carbon Dioxide Laser in the Larynx. A. H. Andrews, H. W. Moss, 462.

Experimental Facial Nerve Paralysis: Influence of Decompression. J. A. Greer, D. T. R. Cody, E. H. Lambert, L. H. Weiland, 582.

Experimental Results of Autogenous Cancellous Bone Chips Transplanted Into the Canine Frontal Sinus Cavity. A. Abramson, R. L. Eason, W. H. Pryor, E. J. Messer, Suppl No. 17.

Experimental Middle Ear Effusions: An Immunofluorescent Study. B. Hussl, D. Lim, 332.

FACIAL Nerve Paralysis, Experimental: Influence of Decompression. J. A. Greer, D. T. R. Cody, E. H. Lambert, L. H. Weiland, 582.

Fiberoptic Bronchoscopy, Flexible, in the Critically Ill Patient. C-E. Lindholm, 786.

Fiberoptic Endoscopy, Place of, in Bronchoesophagology. A. M. Olsen, 734.

Fiber-Optic Study of Visible Laryngeal Changes during Voice Therapy. D. W. Brewer, G. McCall, 423.

Fibrosarcoma of the Head and Neck: A Clinical Analysis of Forty Cases. R. E. Swain, D. G. Sessions, J. H. Ogura, 439.

Fine Structural Localization of Acetylcholinesterase in the Olfactory Mucosa in Guinea Pig and Rabbit. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Fistula, Traumatic Oval Window, with Cerebrospinal Fluid "Gusher". T. J. Mulvaney, P. B. Montandon, 414.

Fistulae, Labyrinthine, The Surgical Management of, in Chronic Otitis Media with Cholesteatoma. R. R. Gacek, Suppl. No. 10.

Flexible Fiberoptic Bronchoscopy in the Critically Ill Patient. C-E. Lindholm, 786.

Fluoride in Otosclerotic (Otospongiotic) Patients, Ten Years Experience with. G. E. Shambaugh, J. Causse, 635.

Fluoride Sodium, Clinical Experience and Experimental Findings with, in Otosclerosis (Otospongiosis). J. Causse, L. G. Chevance, G. E. Shambaugh, 643.

Fluoride Therapy for Osteoporotic Lesions. F. M. Parkins. 626.

Foreign Body Treatment, Questionable Methods of. F. N. Ritter, 729.

Functional Morphology of the Lining Membrane of the Middle Ear and Eustachian Tube: An Overview. D. J. Lim, Suppl. No. 11.

Furosemide, Ethacrynic Acid, and Vestibular Caloric Response. R. M. Levinson, J. J. Capps, R. H. Mathog, 223.

GLAUCOMA and Idiopathic Endolymphatic Hydrops. W. P. Berkowitz, D. G. Sessions, M. H. Stroud, 555.

Glomus Jugulare Tumors. II. A Clinicopathologic Analysis of the Effects of Radiotherapy. G. J. Spector, R. H. Maisel and J. H. Ogura, 26.

Glomus Tumors, Middle Ear Masses Mimicking: Radiographic and Otoscopic Recognition. G. E. Valvassori, R. A. Buckingham, 606.

Gonococcal Pharyngitis: A Report of Four Cases and a Review of Literature. G. D. Becker, A. M. Wernicke, 550.

Grand Rounds at Massachusetts Eye and Ear Infirmary. M. L. Goodman, A. Weber, A. Pappanikou, D. Tolpin, 257.

Granulomatous Aphthous Stomatitis. M. V. Connelly, 264.

Growth of the Inner Ear in Organ Culture. T. Van de Water, R. J. Ruben, Suppl. No. 14.

HEAD and Neck, Fibrosarcoma of: A Clinical Analysis of Forty Cases. R. E. Swain, D. G. Sessions, J. H. Ogura, 439.

Hearing Dysfunction Associated with Congenital Sporadic Hypothroidism. M. Rubenstein, C. Rubenstein, R. Theodor, 814.

Helmets, Recreational, Attenuation Characteristics. F. H. Bess, D. W. Gale, J. D. Aarni and N. P. Redfield, 119.

Histopathologic Findings Following Surgical Procedures for Stapedial Ankylosis. G. T. Nager, Suppl. No. 15.

Hypersomnia Caused by Upper Airway Obstructions: A New Syndrome in Otolaryngology. F. B. Simmons, M. W. Hill, 670.

Hypopharynx and Larynx, Xeroradiographic Zonography. M. E. Woesner, E. J. Braun and I. Sanders, 42.

Hypopharynx, Total Reconstruction of, with Tongue Flap and Dermal Graft. J. M. Loré, 476.

Hypothroidism, Congenital Sporadic, Associated with Hearing Dysfunction. M. Rubenstein, C. Rubenstein, R. Theodor, .

IMMUNOFLUORESCENT Study in Experimental Middle Ear Effusions. B. Hussl, D. Lim, 332.

Immunoglobulin A (SIgA), Secretory, in Middle Ear Effusions, a Further Report. G. Mogi, S. Honjo, S. Maeda, T. Yoshida and N. Watanabe, 92.

Immunoglobulin A (SIgA), Secretory, in Middle Ear Effusions, Quantitative Determination of. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 239.

Immunoglobulin E (IgE) in Middle Ear Effusions. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 393.

Intracochlear Electrode Implantation, Chronic; Cochlear Pathology and Acoustic Nerve Survival. R. A. Schindler, M. M. Merzenich, 202.

Influence of Manganese on Genetically Defective Otolith: A Behavioral and Morphological Study. D. J. Lim, L. C. Erway, 565.

Inherited Bell's Palsy. J. W. Willbrand, J. D. Blumhagen, M. May, 343.

Inner Ear and Brain Tissues in Guinea Pig, Interaction of Neomycin with Phosphoinositide Metabolism in. J. Schacht, 613.

Inner Ear, Growth of, in Organ Culture. T. Van de Water, R. J. Ruben, Suppl. No. 14.

Interaction of Neomycin with Phosphoinositide Metabolism in Guinea Pig Inner Ear and Brain Tissues. J. Schacht, 613.

Intraganglionic Spiral Bundle and Other Recent Ultrastructural Findings, Synaptic Contacts Within. A. R. Maw, 180.

Intubation, Anesthetic, Postoperative Pneumothorax Secondary to Hypopharyngeal Perforation during. D. B. Hawkins, J. W. House, 556.

Intubation, Nasotracheal, in Management of Delayed Decannulation. W. D. Crysdale, 802.

JOINTS, Middle Ear, Pathological Changes in. A. Belal, T. J. Stewart, 159.

KANAMYCIN, Ethacrynic Acid Ototoxicity Potentiation. J. Prazma, P. P. Browder and N. D. Fischer, 111.

LABYRINTHINE Fistulae, the Surgical Management of, in Chronic Otitis Media with Cholesteatoma. R. R. Gacek, Suppl. No. 10.

Laryngeal Changes, Visible, during Voice Therapy: Fiber-Optic Stuudy. D. W. Brewer, G. McCall, 423.

Laryngectomized Patient, Vocal Rehabilitation in, with a Tracheoesophageal Shunt. R. Komorn, 445.

Laryngofissure, effect of, on the Developing Canine Larynx. T. C. Calcaterra, R. McClure, P. H. Ward, 810.

Laryngotracheal Autograft for Postcricoid Carcinoma: A Reevaluation. M. L. Som, 481.

Laryngotracheobronchitis, Acute; Superior Vena Caval Obstruction Presenting as. D. B. Hawkins, V. G. Mikity, C. R. Battaglia, 829.

Larynx, Adenocarcinoma of. J. H. Whicker, H. B. Neel III, L. H. Weiland, K. D. Devine, 487.

Larynx, Developing Canine; Effect of Laryngofissure on. T. C. Calcaterra, R. McClure, P. H. Ward, 810.

Larynx, Oat Cell Carcinoma of. A. Ferlito, 254.

Larynx and Hypopharynx, Xeroradiographic Zonography of. M. E. Woesner, E. J. Braun and I. Sanders, 42.

Larynx; Experiences with Carbon Dioxide Laser in. A. H. Andrews, H. W. Moss, 462.

Larynx, Microsurgery on; A New Silicone Elastomer Tube for Use During. E. Carden, G. B. Ferguson, W. M. Crutchfield, 360.

Larynx, Surgical Correction of Subglottic Stenosis of, in Infants and Children: Progress Report. B. Fearon, R. Cotton, 428.

Laser, Carbon Dioxide, in the Larynx; Experiences with. A. H. Andrews, H. W. Moss, 462.

Laser Surgery, Carbon Dioxide, Via Bronchoscopy. S. Strong, C. W. Vaughan, T. Polanyi, R. Wallace, 769.

Lavage Unit, Pulsed-Flow, for Bronchial Washing; Use of. D. R. Sanderson, J. K. Wise, L. B. Woolner, H. L. Moses, R. S. Fontana, 750.

Localization, Fine Structural, of Acetylcholinesterase in the Olfactory Mucosa in Guinea Pig and Rabbit. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Localization of $^{99m}$Technetium in the Region of the Nose in Sjögren's Syndrome. A. E. Jones, A. J. Larson, R. D. Powell, G. Johnston, R. I. Henkin, 370, .

MANAGEMENT, Surgical, of Labyrinthine Fistulae in Chronic Otitis Media with Cholesteatoma. R. R. Gacek, Suppl. No. 10.

Manganese, Influence of, on Genetically Defective Otolith: A Behavioral and Morphological Study. D. J. Lim, L. C. Erway, 565.

Measurement of Vibration of the Basilar Membrane in the Squirrel Monkey. W. S. Rhode, 619.

Mechanics of the Eustachian Tube as it Influences Susceptibility to and Persistence of Middle Ear Effusions in Children. C. D. Bluestone, Q. C. Beery, W. S. Andrus, Suppl. No. 11.

Melanocytes of the Vestibular Labyrinth and Their Relationship to the Microvasculature. K. A. LaFerriere, I. K. Arenberg, J. E. Hawkins, L-G. Johnsson, 685.

Melanocytes, the Presence of, in the Nasal Cavity. F. G. Zak, W. Lawson, 515.

Microsurgery on the Larynx; A New Silicone Elastomer Tube for Use During. E. Carden, G. B. Ferguson, W. M. Crutchfield, 360.

Microvasculature, Relationship of, Melanocytes of the Vestibular Labyrinth to. K. A. LaFerriere, I. K. Arenberg, J. E. Hawkins, L-G. Johnsson, 685.

Middle Ear and Eustachian Tube, Functional Morphology of the Lining Membrane of: An Overview. D. J. Lim, Suppl. No. 11.

Middle Ear and Eustachian Tube, Production of Mucus in. M. Tos, Suppl. No. 11.

Middle Ear Cavity, Affects of Scleroma, with Report of Three Cases. A. Barbary, H. Fouad and A. Fatt-Hi, 107.

Middle Ear Effusions, A Further Report. Secretory Immunoglobulin A (SIgA). G. Mogi, S. Honjo, S. Maeda, T. Yoshida and N. Watanabe, 92.

Middle Ear Effusions. Etiology, Pathology and Treatment. B. H. Senturia, Suppl. No. 11.

Middle Ear Effusions, Experimental; An Immunofluorescent Study. B. Hussle, D. Lim, 332.

Middle Ear Effusions; Immunoglobulin E (IgE) in. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 393.

Middle Ear Effusions, Quantitative Determination of Secretory Immunoglobulin A (SIgA) in. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 239.

Middle Ear Effusions: Therapy and Clinical Results. S. R. Mawson, Suppl. No. 11.

Middle Ear Joints, Pathological Changes in. A. Belal, T. J. Stewart, 159.

Middle Ear Joints, Senile Changes. B. Etholm and A. Belal, Jr., 49.

Middle Ear Masses Mimicking Glomus Tumors: Radiographic and Otoscopic Recognition. G. E. Valvassori, R. A. Buckingham, 606.

Mucosa, Olfactory, in Guinea Pig and Rabbit, Fine Structural Localization of Acetylcholinesterase. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Multiple Postinubation Complications. M. Strome, C. R. Ferguson, 432.

NASAL Cavity, the Presence of Melanocytes in. F. G. Zak, W. Lawson, 515.

Nasal Respiratory Mucosa, Abnormal, Association of Nerve Fibers and Plasma Calls in Human. N. Cauna, D. Cauna, 347.

Nasopharyngeal Carcinoma, Anti-Epstein Barr Virus Antibody in. M-M. Hsu, J-F., Chiou and B. F. McCabe, 19.

Nasotracheal Intubation in Management of Delayed Decannulation. W. D. Crysdale, 802.

Neomycin, Interaction of, with Phosphoinositide Metabolism in Guinea Pig Inner Ear and Brain Tissues. J. Schacht, 613.

Neonates, Early Averaged Electroencephalic Responses to Clicks. C. C. McRandle, M. A. Smith, R. Goldstein, 695.

Nerve Fibers and Plasma Cells in Abnormal Human Nasal Respiratory Mucosa; Association of. N. Cauna, D. Cauna, 347.

Neural and Cochlear Diseases: Classification and Oto-Audiologic Correlations. R. E. Marcus, 304.

Neural and Sensory Deafness; Radiological Aspects of Differential Diagnosis in. B. H. Britton, 286.

Noise, Continuous; Asymptotic Threshold Shift (ATA) in Man From 24 Hour Exposure to. W. Melnick, M. Maves, 820.

Normal Limit of the Electrogustometry Test. A. C. Coats, 491.

Nose, Skin Cancer of. J. Conley, 2.

Nystagmus, Vestibular, Similarities of Optokinetic After-nystagmus to. S. Takemori, 230.

OAT Cell Carcinoma of the Larynx. A. Ferlito, 254.

Obturator, Maintenance of Tracheostome by, for Prolonged or Future Need. S. A. Friedberg, K. Azem, L. J. Wallner, 529.

Olfactory Epithelia in Mice After Smoke Exposure, Ultrastructure of. D. H. Matulionis, 192.

Olfactory Mucosa in Guinea Pig and Rabbit, Fine Structural Localization of Acetylcholinesterase. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Olivocochlear Bundle, Crossed, Origins of; Shown by an Acid Phosphatase Method in the Cat. G. D. Luk, D. K. Morest, N. M. McKenna, 382.

Optokinetic After-nystagmus, The Similarities of, to the Vestibular Nystagmus. S. Takemori, 230.

Oral Cavity and Esophagus, Corrosive Injury of, Caused by Some Denture Cleansing Powders. A. L. Abramson, R. L. Eason, W. H. Pryor, E. J. Messer, 714.

Organ Culture, Growth of the Inner Ear in. T. Van de Water, R. J. Ruben, Suppl. No. 14.

Origins of Perilymph. Part I. A Contribution to the Physiology of the Perilymph. E-A. Schnieder, 76.

Origins of the Crossed Olivocochlear Bundle Shown by an Acid Phosphatase Method in the Cat. G. D. Luk, D. K. Morest, N. M. McKenna, 382.

Ossicles, Auditory In Man, Vascular Channels in. B. J. Anson and T. R. Winch, 142.

Ossicles, Human, Stored, in Buffered Formaldehyde Solution; Prevention of Decalcification. B. C. Baron, R. Perkins, 403.

Osteophytes, Cervical, Surgical Correction of Dysphagia. M. H. Saffouri and P. H. Ward, 65.

Osteoplastic Epitympanotomy. S. R. Wullstein, 663.

Osteoporotic Lesions, Fluoride Therapy for. F. M. Parkins, 626.

Otic Blood Flow and Sympathetic Stimulation. N. W. Todd, J. E. Dennard, A. A. Clairmont and R. T. Jackson, 84.

Otitis Media, Chronic, with Cholesteatoma, the Surgical Management of Labyrinthine Fistulae. R. R. Gacek, Suppl. No. 10.

Otitis Media, Secretory, Biopathology of. J. Sade, Suppl. No. 11.

Otitis Media, Secretory: Protein and Enzyme Analyses. T. Palva, V. Raunio, R. Nousianen, Suppl. No. 11.

Oto-Audiologic Correlations and Classification of Cochlear and Neural Diseases: R. E. Marcus, 304.

Otolith, Genetically Defective; Influence of Manganese on. D. J. Lim, L. C. Erway, 565.

Otology and the Telephone: Clarence John Blake and Alexander Graham Bell. C. Snyder, Suppl. No. 13.

Otosclerosis, Blue Mantles in. J. R. Lindsay, 33.

Otosclerosis (Otospongiosis); Clinical Experience and Experimental Findings with Sodium Fluoride in. J. Causse, L. G. Chevance, G. E. Shambaugh, 643.

Otosclerotic (Otospongiotic) Patients, Ten Years Experience with Fluoride in. G. E. Shambaugh, J. Causse, 635.

Otospongiosis (Otosclerosis) Patients, Ten Years Experience with Fluoride in. G. E. Shambaugh, J. Causse, 635.

Otospongiotic (Otosclerotic) Patients, Ten Years Experience with Fluoride in. G. E. Shambaugh, J. Causse, 635.

Otosurgical Technique, Neglected; Atticotomy. P. Donald, B. F. McCabe, S. S. Loevy, 652.

Ototoxicity, Ethacrynic Acid, Potentiation by Kanamycin. J. Prazma, J. P. Browder and N. D. Fischer, 111.

Oval Window Fistula, Traumatic, with Cerebrospinal Fluid "Gusher". T. J. Mulvaney, P. B. Montandon, 414.

PARALYSIS, Experimental Facial Nerve: Influence of Decompression. J. A. Greer, D. T. R. Cody, E. H. Lambert, L. H. Weiland, 582.

Pathological Changes in the Middle Ear Joints. A. Belal, T. J. Stewart, 159.

Perforation of Esophagus During Esophagoscopy in Children. J. S. Simpson, T. Ruff, B. Fearon, 725.

Perforation, Hypopharyngeal, During Anesthetic Intubation with Secondary Postoperative Pneumothorax. D. B. Hawkins, J. W. House, 556.

Perforation, Hypopharyngeal, Postoperative Pneumothorax Secondary to, During Anesthetic Intubation. D. B. Hawkins, J. W. House, 556.

Perilymph and Endolymph of Cat, Sodium and Potassium Concentration in. K. Makimoto, H. Silverstein, 174.

Perilymph, a Contribution to the Physiology. Part I: The Origins of Perilymph. E-A. Schnieder, 76.

Perilymph, Physiology of, A contribution to; Part II: Cochlear and Cerebral Blood Flow. E-A. Schnieder, 247.

Perilymph, Physiology of, A Contribution to. Part III: E-A. Schnieder, 406.

Petrositis, Tomography in the Diagnosis of. F. W. Parnell, J. H. Brandenburg, J. D. Swingle, 216.

Pharyngitis, Gonococcal: A Report of Four Cases and a Review of the Literature. G. D. Becker, A. M. Wernicke, 550.

Phosphoinositide Metabolism, Interaction of Neomycin with, in Guinea Pig Inner Ear and Brain Tissues. J. Schacht, 613.

Physiology of Cough. P. T. Macklem, 761.

Physiology of the Perilymph, a Contribution. Part I: The Origins of Perilymph. E-A. Schneider, 76.

Place of Fiberoptic Endoscopy in Bronchoesophagology. A. M. Olsen, 734.

Plasma Cells and Nerve Fibers, Association of, in Abnormal Human Nasal Respiratory Mucosa. N. Cauna, D. Cauna, 347.

Pneumonitis, Aspiration; A Review and Experiment on Tracheobronchial Lavage. M. Sudderth, 795.

Pneumothorax, Postoperative, Secondary to Hypopharyngeal Perforation During Anesthetic Intubation. D. B. Hawkins, J. W. House, 556.

Postcricoid Carcinoma, Laryngotracheal Autograft for; A Reevaluation. M. L. Som, 481.

Postintubation Complications, Multiple. M. Strome, C. R. Ferguson, 432.

Postoperative Pneumothorax Secondary to Hypopharyngeal Perforation During Anesthetic Intubation. D. B. Hawkins, J. W. House, 556.

Presence of Melanocytes in the Nasal Cavity. F. G. Zak, W. Lawson, 515.

Present Status of Therapy of Bell's Paralysis — A Critical Evaluation. A. Wolferman, Suppl. No. 12.

Preventing Decalcification of Human Ossicles Stored in a Buffered Formaldehyde Solution. B. C. Baron, R. Perkins, 403.

Production of Mucus in the Middle Ear and Eustachian Tube. M. Tos, Suppl. No. 11.

Pseudocysts, Bilateral, of the Auricle in a Female. V. B. Santos, I. A. Polisar and M. L. Ruffy, 9.

Pyriform Sinus: Functional Visualization. D. W. Brewer, L. V. Gould, 720.

QUANTITATIVE Determination of Secretory Immunoglobulin A (SIgA) in Middle Ear Effusions. G. Mogi, S. Honjo, S. Maeda, T. Yoshida, N. Watanabe, 239.

Questionable Methods of Foreign Body Treatment. F. N. Ritter, 729.

RADIOLOGICAL Aspects of Differential Diagnosis in Neural and Sensory Deafness. B. H. Britton, 286.

Radiotherapy, a Clinicopathologic Analysis of the Effects on. Glomus Jugulare Tumors. G. J. Spector, R. H. Maisel and J. H. Ogura, 26.

Recent Improvements in Anesthetic Techniques for Use During Bronchoscopy. E. Carden, 777.

Reconstruction of the Tongue. H. O. deFries, 471.

Recreational Helmets, Attenuation Characteristics. F. H. Bess, D. W. Gale, J. D. Aarni and N. P. Redfield, 119.

Respiratory System, Advances in Endoscopic Examination of. P. H. Ward, G. Berci, T. C. Calcaterra, 754.

SALIVARY Gland, Ectopic, and Sinus in the Lower Neck. W. H. Stingle, C. J. Priebe, Jr., 379.

Scleroma Affecting the Middle Ear Cavity with Report of Three Cases. A Barbary, H. Fouad and A. Fatt-Hi, 107.

Secretory Immunoglobulin A (SIgA) in Middle Ear Effusions, a Further Report. G. Mogi, S. Honjo, S. Maeda, T. Yoshida and N. Watanabe, 92.

Secretory Otitis Media, Biopathology of. J. Sade, Suppl. No. 11.

Secretory Otitis Media: Protein and Enzyme Analyses. T. Palva, V. Raunio, R. Nousianen, Suppl. No. 11.

Senile Changes in the Middle Ear Joints. B. Etholm and A. Belal, Jr., 49.

Sensory and Neural Deafness; Radiological Aspects of Differential Diagnosis in. B. H. Britton, 286.

Sensory Structures and Cochlear Vasculature, Studies of: a Modified Method. A. Axelsson, J. Miller, J. Holmquist, 537.

Sequence of Degeneration of Corti's Organ and Its First-order Neurons. L-G. Johnsson, 294.

(SIgA), Secretory Immunoglobulin A, in Middle Ear Effusions, a Further Report. G. Mogi, S. Honjo, S. Maeda, T. Yoshida and N. Watanabe, 92.

Silicone Elastomer Tube for Use During Microsurgery on the Larynx. E. Carden, G. B. Ferguson, W. M. Crutchfield, 360.

Silicone Tracheal T-Tube. W. W. Montgomery, 71.

Similarities of Optokinetic After-nystagmus to the Vestibular Nystagmus. S. Takemori, 230.

Sinus Cavity, Frontal, Canine; Experimental Results of Autogenous Cancellous Bone Chips Transplanted into. A. Abramson, R. L. Eason, W. H. Pryor, E. J. Messer, Suppl. No. 17.

Sinus Secretions, Concentration of Antibiotics in. A. Axelsson, J-E. Brorson, 323.

Sisi Test, Conductive. V. W. Byers, 125.

Sjögren's Syndrome; Localization of $^{99m}$Technetium in the Region of the Nose in. A. E. Jones, A. J. Larson, R. D. Powell, G. Johnston, R. I. Henkin, 370.

Skin, Cancer of the Nose. J. Conley, 2.

Smoke Exposure, Ultrastructure of Olfactory Epithelia in Mice after. D. H. Matulionis, 192.

Smoking, Age and Sex, Effects on the Electrical Taste Threshold. A. C. Coats, 365.

Sodium and Potassium Concentration in the Endolymph and Perilymph of Cat. K. Makimoto, H. Silverstein, 174.

Specific Acute Losses of Vestibular Function in Four Patients Following Unilateral Section of One or All Components of the Eighth Cranial Nerve. E. F. Miller II, J. L. Pulec, J. G. Wilcox, A. Graybiel, 525.

Spiral Bundle, Intraganglionic, Synaptic Contacts Within, and Other Recent Ultrastructural Findings. A. R. Maw, 180.

Stapedial Ankylosis; Histopathologic Findings Following Surgical Procedures for. G. T. Nager, Suppl. No. 15.

Stenosis of the Larynx, Subglottic; Surgical Correction of, in Infants and Children: Progress Report. B. Fearon, R. Cotton, 428.

Stimulation, Sympathetic, and Otic Blood Flow. N. W. Todd, J. E. Dennard, A. A. Clairmont and R. T. Jackson, 84.

Stria Ultrastructure and Vessel Transport in Acoustic Trauma. A. J. Duvall III, W. D. Ward, K. E. Lauhala, 498.

Structural, Fine, Localization, of Acetylcholinesterase in the Olfactory Mucosa in Guinea Pig and Rabbit. J. B. Nadol, Jr. and A. J. D. DeLorenzo, 55.

Studies of Cochlear Vasculature and Sensory Structures: a Modified Method. A. Axelsson, J. Miller, J. Holmquist, 537.

Superior Vena Caval Obstruction Presenting as Acute Laryngotracheobronchitis. D. B. Hawkins, V. G. Mikity, C. R. Battaglia, 829.

Surgical Correction of Dysphagia Due to Cervical Osteophytes. M. H. Saffouri and P. H. Ward, 65.

Surgical Correction of Subglottic Stenosis of the Larynx in Infants and Children: Progress Report. B. Fearon, R. Cotton, 428.

Surgical Correction of Subglottic Stenosis of the Larynx in Infants and Children: Progress Report. B. Fearon, R. Cotton, 428.

Surgical Management of Labyrinthine Fistulae in Chronic Otitis Media with Cholesteatoma. R. Gacek, Suppl. No. 10.

Sympathetic Stimulation and Otic Blood Flow. N. W. Todd, J. E. Dennard, A. A. Clairmont and R. T. Jackson, 84.

Synaptic Contacts Within the Intraganglionic Spiral Bundle and Other Recent Ultrastructural Findings. A. R. Maw, 180.

TASTE Threshold, Electrical; Effects of Age, Sex and Smoking on. A. C. Coats, 365.

Technetium, Localization of in the Region of the Nose in Sjögren's Syndrome. A. E. Jones, A. J. Larson, R. D. Powell, G. Johnston, R. I. Henkin, 370.

Technique for Improving Esophageal and Tracheopharyngeal Speech. W. W. Montgomery, W. G. Lavelle, 452.

Television, Color, Application in Bronchoesophagology. J. E. Rayl, D. Rourke, 744.

Ten Years Experience with Fluoride in Otosclerotic (Otospongiotic) Patients. G. E. Shambaugh, J. Causse, 635.

Tomography in the Diagnosis of Petrositis. F. W. Parnell, J. H. Brandenburg, J. D. Swingle, 216.

Tongue Flap and Dermal Graft, Total Reconstruction of the Hypopharynx with. J. M. Loré, 476.

Tongue, Reconstruction of. H. O. deFries, 471.

Total Reconstruction of the Hypopharynx with Tongue Flap and Dermal Graft. J. M. Loré, 476.

Tracheal T-Tube, Silicone. W. W. Montgomery, 71.

Tracheobronchial Lavage, A Review and Experiment on Aspiration Pneumonitis. M. Sudderth, 795.

Tracheoesophageal Shunt, Vocal Rehabilitation in the Laryngectomized Patient with. R. Komorn, 445.

Tracheopharyngeal and Esophageal Speech, A Technique for Improving. W. W. Montgomery, W. G. Lavelle, 452.

Tracheostome Maintenance by Obturator for Prolonged or Future Need. S. A. Friedberg, K. Azem, L. J. Wallner, 520.

Tracheostomy or Endotracheal Intubation. R. M. Ferlic, 739.

Transection of the Posterior Ampullary Nerve for the Relief of Benign Paroxysmal Positional Vertigo. R. R. Gacek, 596.

Transplantation of Autogenous Cancellous Bone Chips into Canine Frontal Sinus Cavity, Experimental Results of. Suppl. No. 16.

Trauma, Acoustic; Stria Ultrastructure and Vessel Transport in. A. J. Duvall III, W. D. Ward, K. E. Lauhala, 498.

Traumatic Oval Window Fistula with Cerebrospinal Fluid "Gusher". T. J. Mulvaney, P. B. Montandon, 414.

Tucker Retrograde Esophageal Dilatation 1924-1974: A Historical Review. J. A. Tucker, M. L. Turtz, H. D. Silberman, G. F. Tucker, Suppl. No. 16.

Tumors, Glomus Jugulare. II. A Clinicopathologic Analysis of the Effects of Radiotherapy. G. J. Spector, R. H. Maisel and J. H. Ogura, 26.

Tumors of the Cerebellopontine Recess; Significant Electronystagmographic Alterations in. J. T. Benitez, K. R. Bouchard, 399.

ULTRASTRUCTURE of Olfactory Epithelia in Mice After Smoke Exposure. D. H. Matulionis, 192.

Unusual Ciliated Cell Group in the Utricle of a Cat. T. Hoshino and K. Matsumoto, 102.

Use of a Pulsed-Flow Lavage Unit for Bronchial Washing. D. R. Sanderson, J. K. Wise, L. B. Woolner, H. L. Moses, R. S. Fontana, 750.

Utricle of a Cat, Unusual Ciliated Cell Group. T. Hoshino and K. Matsumoto, 102.

VASCULAR Channels in the Auditory Ossicles in Man. B. J. Anson and T. R. Winch, 142.

Vena Caval Obstruction, Superior, Presenting as Acute Laryngotracheobronchitis. D. B. Hawkins, V. G. Mikity, C. R. Battaglia, 829.

Vertigo, Benign Paroxysmal Positional; Transection of the Posterior Ampullary Nerve for the Relief of. R. R. Gacek, 596.

Vestibular Caloric Response, Ethacrynic Acid, and Furosemide. R. M. Levinson, J. J. Capps, R. H. Mathog, 223.

Vestibular Function, Specific Acute Losses of, in Four Patients Following Unilateral Section of One or All Components of the Eighth Cranial Nerve. E. F. Miller II, J. L. Pulec, J. G. Wilcox, A. Graybiel, 525.

Vestibular Labyrinth, Melanocytes of, and Their Relationship to the Microvasculature. K. A. LaFerriere, I. K. Arenberg, J. E. Hawkins, L-G. Johnsson, 685.

Vestibular Nystagmus, Similarities of Optokinetic After-Nystagmus to. S. Takemori, 230.

Visible Laryngeal Changes during Voice Therapy: Fiber-Optic Study. D. W. Brewer, G. McCall, 423.

Vocal Cords, An Apparatus for Ultra-High-Speed Cinematography. M. Hirano, Y. Yoshida, H. Matsushita and T. Nakashima, 12.

Vocal Rehabilitation in the Laryngectomized Patient with a Tracheoesophageal Shunt. R. Komorn, 445.

Voice Therapy, Visible Laryngeal Changes during: Fiber-Optic Study. D. W. Brewer, G. McCall, 423.

XERORADIOGRAPHIC Zonography of the Larynx and Hypopharynx. M. E. Woesner, E. J. Braun and I. Sanders, 42.

ZONOGRAPHY, Xeroradiographic, of the Larynx and Hypopharynx. M. E. Woesner, E. J. Braun and I. Sanders, 42.